



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
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Washington, D.C. 20231

Patent No. : 6,287,704
Inventor(s) : .Patricia Preikschat, et. al.
Issued : September 11, 2001
For: CHROMATE-FREE CONVERSION LAYER AND PROCESS FOR
PRODUCING THE SAME

Re. Request for Certificate of Correction

Consideration has been given your request under the provisions of Rule 1.322.

The alleged error on the title page, item [30] is an editing change made in accordance with the style of the Invention Patent Manual. Therefore, no correction is in order here under United States Codes (U.S.C.) 254 and the Code of Federal Regulation (C.F.R.) 1.322.

In view of the foregoing, your request in this matter is hereby denied.

Further correspondence concerning this matter, should be directed to:

U.S. Patent and Trademark Office
Washington, DC 20231
Attn: Decisions & Certificates of Correction Branch

A certificate of correction will issue to correct the remaining errors noted in your request.

A handwritten signature in cursive script, appearing to read "Cecelia B. Newman".

Cecelia B. Newman
Decisions & Certificate
of Correction Branch
(703) 305-8047 or (703) 305-8309

John P. Murtaugh
Pearne & Gordon
526 Superior Ave., East, Suite 1200
Cleveland, Ohio 44114-1484

ej

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,287,704 **B1**
DATED : September 11, 2001
INVENTOR(S) : Patricia Preikschat, et al.

Page 1 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Item and Col 2, lines 1-3,
On the Cover Page, Section (54), delete "CHROMATE-FREE CONVERSION LAYER AND PROCESS FOR PRODUCING THE SAME" and insert therefore ~~CHROMIUM(VI)-FREE CONVERSION LAYER AND METHOD FOR PRODUCING IT.~~

A Style Change
On the Cover Page, Section (30), delete "196 15 664" and insert therefor -196 15 664.5-

Title Item
On the Cover Page, Section (56) (Other Publications), second reference, ~~line 2~~ after "London, GB;" insert -Class E31,-

~~Column 1, delete lines 1, 2 & 3 and insert therefor CHROMIUM(VI) FREE CONVERSION LAYER AND METHOD FOR PRODUCING IT.~~

Column 2, line 22, delete "1.5 μ m" and insert therefor -1.5 μ m-

Column 3, line 2, delete "protection > 100" and insert therefor -protection > 100-

Column 3, line 58, after "FIG. 4" insert -, -

Column 4, line 57, delete "layer > 1%" and insert therefor -layer > 1%-

MAILING ADDRESS OF SENDER:

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PATENT NO. 6,287,704

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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Page 2 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6, line 61, delete "chromium (III)" and insert therefor -chromium(III)-. *OFF*

Column 7, line 18, before "Chromium (III)" begin a new paragraph. *OFF*

Column 7, line 51, delete " $\text{CrCl}_3 \cdot 6\text{H}_2\text{O}$ " and insert therefor $-\text{CrCl}_3 \cdot 6 \text{H}_2\text{O}-$. *OFF*

Column 8, line 42, delete " K_1 " and insert therefor $-\text{k}_1-$. *OFF*

Column 8, line 48, delete " $\text{Zn}^{2+} + x\text{Cr}^{(\text{III})} + y\text{H}_2\text{O} \rightarrow \text{ZnCr}_x\text{O}_y + 2y \text{H}^+$ " and insert therefor $-\text{Zn}^{2+} + x\text{Cr}^{(\text{III})} + y\text{H}_2\text{O} \rightarrow \text{ZnCr}_x\text{O}_y + 2y \text{H}^+-$. *OFF*

Column 8, line 51, delete " $\text{H}^+, \text{Cr}^{(\text{III})}$ " and insert therefor $-\text{H}^+, \text{Cr}^{(\text{III})}-$. *OFF*

Column 8, line 54, delete " $1/(1+p_1 \cdot m_{\text{ZnCrO}})^2$ " and insert therefor $-1/(1+p_1 \cdot m_{\text{ZnCrO}})^2-$. *OFF*

Column 8, line 59, delete " $\text{k}_1 \times c_{\text{H}} + / a + p_1 \times m_{\text{ZnCrO}})^2 -$ " and insert therefor $-\text{k}_1 \times c_{\text{H}} + / (1 + p_1 \times m_{\text{ZnCrO}})^2-$. *OFF*

Column 8, line 60, before " k_2 " insert $---$. *OFF*

Column 8, line 60, after " $x \tanh(p_2 \times m_{\text{ZnCrO}})$ " delete $-+-$. *OFF*

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Page 3 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 8, line 61, before " k_T " insert $+-$. *OFF*

Column 8, line 62, delete " a " and insert therefor $-(1-$. *OFF*

Column 8, line 62, after " $p_1 \times m_{ZnCrO}$ " delete $+-$. *OFF*

Column 8, line 63, before " $2yk_2$ " insert $+-$. *OFF*

Column 8, line 63, delete " x_{3H+} " and insert therefor $-xc_H+-$. *OFF*

Column 8, line 63, after " $x \tanh(p_2 \times m_{ZnCrO})$ " delete $+-$. *OFF*

Column 9, line 2, before " k_T " insert $+-$. *OFF*

Column 9, line 4, after " $x \tanh(p_2 \times m_{ZnCrO})$ " delete $+-$. *OFF*

Column 9, line 6, before " k_T " insert $+-$. *OFF*

Column 9, line 6, delete second occurrence of " $-c_{Cr}^{(III)}$ ". *OFF*

Column 9, line 12, delete " $\tan h(p_2 \cdot m_{ZnCrO})$ " and insert therefor $-\tanh(p_2 \cdot m_{ZnCrO})-$. *OFF*

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Page 4 of 4

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Column 9, line 13, after "reaction II" insert $-, -$. *JP*

Column 9, line 14, delete "tan h" and insert therefor $-\tanh-$. *JP*

Column 9, line 29, delete "kj" and insert therefor $-kj-$. *JP*

Column 10, line 60, delete " $\text{CrCl}_3 \cdot 6$ " and insert therefor $-\text{CrCl}_3 \cdot 6-$. *JP*

Column 11, line 12, delete " $\text{CrCl}_3 \cdot 6$ " and insert therefor $-\text{CrCl}_3 \cdot 6-$. *JP*

Column 12, line 2, delete "60 s." and insert therefor $-60s-$. *JP*

Column 12, line 17, delete "60 s." and insert therefor $-60s-$. *JP*

Column 12, line 37-38, delete "chromium (VI)" and insert therefor $-\text{chromium(VI)}-$. *JP*

Column 13, line 12, delete "0.00" and insert therefor ".00". *JP*

Column 15, line 28, after "O" insert $-, -$. *JP*

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